

decrease in size from bottom to top of wall.

The stones shall be laid on horizontal beds parallel to the natural bed of the stone. Vertical joints shall be broken by at least 150 millimeters and no vertical joint shall be located directly above or below a header.

Each stone to be set in mortar shall be cleaned and thoroughly wetted before being set. They shall be set on full beds of mortar, and mortar joints shall be full and the stone settled in place before the mortar has set.

The wall shall be compactly laid having all interior joints completely filled with suitable stones or spalls thoroughly bedded in mortar.

685.63 Tree Wells.

Where directed, dry field stone masonry walls shall be constructed around the trunks of trees in order to support the embankment in conformity with the standard design shown on the plans and as directed.

COMPENSATION

685.80 Method of Measurement.

Field stone masonry will be measured by the cubic meter and the quantity shall be the number of cubic meters in the completed structure, complete in place and accepted. The limiting dimensions shall not exceed those shown on the plan or ordered by the Engineer.

685.81 Basis of Payment.

Field stone masonry will be paid for at the contract unit price per cubic meter under the item for Field Stone Masonry in Cement Mortar or Field Stone Masonry, Dry.

Excavation will be paid for at the contract unit prices per cubic meter under the item for Class A Trench Excavation or Class B Rock Excavation.

685.82 Payment Items.

685.	Field Stone Masonry in Cement Mortar	Cubic Meter
685.1	Field Stone Masonry, Dry	Cubic Meter
141.	Class A Trench Excavation	Cubic Meter
144.	Class B Trench Excavation	Cubic Meter

SECTION 690

WALLS REMOVED AND REBUILT

DESCRIPTION

690.20 General.

This work shall consist of the removing and rebuilding of present stone masonry and balance stone walls in accordance with these specifications, and in close conformity with the lines and grades shown on the plan or established by the Engineer.

MATERIALS

690.40 General.

The stone shall consist of those in the present wall and its foundation and such new stones as may be required. Mortar shall meet the requirement of Subsection M4.02.15 of Division III, Materials.

CONSTRUCTION METHODS**690.60 Stone Masonry Walls.****A. Laying Stone in Mortar.**

All the stones from the present walls to be rebuilt shall be removed and used to rebuild the new walls in addition to furnishing such new stones as may be necessary to provide rebuilt walls of uniform appearance and cross sectional dimensions throughout their length.

The stones shall be laid so as to break joints and in full mortar beds. All vertical spaces shall be flushed with cement mortar and shall be packed full with spalls. No spalls shall be allowed in the beds – except if the bed requires more than 25 millimeters of mortar. At least 1/4 of the stones in the face shall be headers evenly distributed throughout the walls. Weep holes shall be constructed as directed.

B. Laying Stone Dry.

The stone shall be laid so as to break joints and all vertical spaces shall be packed full with spalls. No spalls shall be allowed in the beds and at least 1/4 of the stones in the face shall be headers evenly distributed throughout the wall.

690.61 Balance Stone Walls.

A trench for rebuilding the balance stone walls shall be excavated to a minimum depth of 300 millimeters as directed and to a width sufficient to place the largest bottom stones of the present wall.

All the stones from the present walls to be rebuilt shall be removed and used to rebuild the new wall in addition to furnishing such new stones as may be necessary to provide rebuilt walls of uniform appearances and cross sectional dimensions throughout their length. The open spaces about the base of the wall shall be filled with the materials excavated from the trench and all surplus excavation shall be used as directed on the slopes of the new embankment.

COMPENSATION**690.80 Method of Measurement.**

Stone Masonry Walls Removed and Rebuilt as specified herein will be measured by the cubic meter and the pay quantity shall be only that quantity actually laid and approved.

Balance Stone Walls Removed and Rebuilt will be measured in place and shall be the length of balance stone walls rebuilt.

690.81 Basis of Payment.

Stone Masonry Walls Removed and Rebuilt will be paid for at the contract unit price per cubic meter for the kind of wall removed and rebuilt, complete in place.

Balance Stone Walls Removed and Rebuilt will be paid for at the contract unit price per meter, complete in place.

Excavation at the new location will be paid for at the contract unit price per cubic meter under the item for Class A Trench Excavation or Class B Rock Excavation.

690.82 Payment Items.

690.	Stone Masonry Wall Removed and Rebuilt in Cement Mortar	Cubic Meter
690.1	Stone Masonry Wall Removed and Rebuilt Dry	Cubic Meter
691.	Balance Stone Wall Removed and Rebuilt	Meter
141.	Class A Trench Excavation	Cubic Meter
144.	Class B Rock Excavation	Cubic Meter